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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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EXAMINER

PATEL, R

ART UNIT

PAPER NUMBER

2838

8

DATE MAILED: 11/30/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/247,097

Applicant(s)

McCune

Examiner

Rajnikant Patel

Group Art Unit

2838 -



☒ Responsive to communication(s) filed on Sep 10, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-11 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-11 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 6

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 U.S.C. § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Hull et al. (U.S. Patent #4,367,443).

Hull et al. discloses claimed invention including a RF power amplifier (figure 1), a voltage regulator means (column 1, item 108), a power amplifier (figure 1, item 120 and 122), the

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specified voltage being independent of the modulation signal (column 4, line 5-15), a power amplifier having the specified voltage (column 5, line 40-50).

Claim Rejections - 35 U.S.C. § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

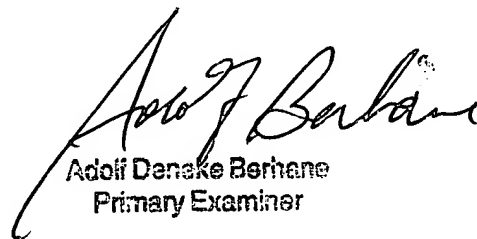
5. Claims 2-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al. in combination with Perusse et al. (U.S. Patent # 4,881,023).

Hull et al. discloses claimed invention as explained in claim 1 and 11, above except the voltage regulator means comprises the utilization of a technique for a first switch mode stage, a second and linear regulator stage and coarse level control. However Perusse et al. teaches the utilization of technique for a first switch mode stage (figure 1, item 11), a second linear regulator stage (figure 1, item 13) and a coarse level control (Abstract, line 3-6). It would have been obvious to one having a ordinary skill in the art to modify Hull et al.'s power amplifier circuit by utilizing the technique for a linear regulator stage, a hard-limited, class A and Class AB amplifier as taught by Perusse et al. for the purpose of providing a voltage regulator which exhibits improved stability

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at a higher efficiency and at a lower cost. Further in regards to claims 4-7, Hull et al. in combination with Perusse et al. discloses claimed invention except the utilization of hard limited amplifier, class A and class AB amplifier, a switch-mode amplifier, class C amplifier. It would have been obvious to one having a ordinary skill in the art to utilize class C amplifier, since it has been held to be within the general skill of a worker in the art to select a known device or material on the basis of its suitability for the intended use as a matter of obvious design choice. In re Leshin, 125 USPQ 416.

6. Any inquiry concerning this communications or earlier from the examiner should be directed to Raj. Patel whose telephone number is (703) 305-7042. Any inquiry of a general nature or relating to the status of application should be directed to the Group receptionist whose telephone number is (703) 308-1782.


Adolf Denzke Bernane
Primary Examiner

R. B. Patel

November 23, 1999